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Results of searching in PCT for:
(substrate or base) and (transducer or (driv* near mechanism)) and (fulcrum or pivot or lever) and (support or wall*) and sample and piezoelectric: 255 records
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(substrate or base) and (transducer or (driv* near mechan

	Title	Pub. Date	Int. Class	App. Num
1.	(WO 2009/108543) MULTI-PHOTON EXPOSURE SYSTEM	03.09.2009	G03F 7/20	PCT/US2009/034

An exposure system includes a light source emitting a beam along an optical axis that is capable of inducing a multi-photon reaction in system further includes a resin undergoing multiphoton reaction, as well as an automated system including a monitor that measures at beam selected from power, pulse length, shape, divergence, or position in a plane normal to the optical axis. The monitor generates a of the property of the beam, and a sub-system adjusts the beam in response to the signal from the monitor.

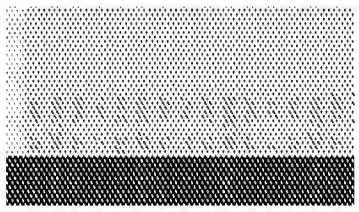
2.	(WO 2009/092034) TISSUE PENETRATING APPARATUS	23.07.2009	A61B 17/32	PCT/US2009/031

A body fluid sampling system is provided for use on a tissue site. A **drive** force generator is provided. A housing has at least a first har average diameter, and a head portion with a second average diameter that is larger than the first average diameter. The housing inclu sensors and a plurality of **sample** chambers. Each analyte sensor is associated with a **sample** chamber and is configured to receive b tissue created by a penetrating member. A plurality of penetrating members are operatively coupled to the **drive** force generator. The each of the penetrating members along a path out of the housing into the tissue site, stops in the tissue site...

3.	(WO 2009/088956) INFUSION PUMP ASSEMBLY	16.07.2009	A61M 5/14	PCT/US2006/086

A wearable infusion pump assembly including a reusable housing assembly including a mechanical control assembly, the mechanical pump assembly, at least one shape-memory actuator configured to actuate the pump assembly, and at least one valve assembly. The assembly further includes a disposable housing assembly including a reservoir for receiving an infusible fluid. A releasable engagemen allow the reusable housing assembly to releasably engage the disposable housing assembly. A switch assembly is configured to effec of the infusion pump assembly.

4.	(WO 2009/086470) AEROSOLIZED NITRITE AND NITRIC OXIDE - DONATING COMPOUNDS AND USES THEREOF	09.07.2009	A61K 33/18	PCT/US2006/086



Disclosed herein are formulations of nitrite, nitrite salt, or nitrite- or nitric oxide-producing compounds suitable for aerosolization and us aerosol administration of nitrite, nitrite salt, or nitrite- or nitric oxide-donating compounds for the treatment of pulmonary arterial hyperte pulmonary bacterial infections, or to treat or prevent ischemic reperfusion injury of the heart, brain and organs involved in transplantati nitrite, nitrite salt, or nitrite- or nitric oxide-donating compound specifically formulated and delivered to the respiratory tract for the indica Compositions include all formulations, kits, and device combinations described herei...

5. (WO 2009/085772) LASER-ASSISTED NANOMATERIAL DEPOSITION, NANOMANUFACTURING, *IN SITU* MONITORING AND ASSOCIATED APPARATUS — 09.07.2009 B82B 3/00 PCT/US2008/087

Laser-assisted apparatus and methods for performing nanoscale material processing, including nanodeposition of materials, can be co yield both simple and complex structures with sizes less than 100 nm. Optical or thermal energy in the near field of a photon (laser) pu submicron and nanometer structures on a **substrate**. A wide variety of laser material processing techniques can be adapted for use in , ablation, machining or chemical etching), additive (e g., chemical vapor deposition, selective self-assembly), and modificati transformation, doping) processes. Additionally, t...

6. (WO 2009/085204) METHODS AND DEVICES FOR DETECTING, CONTROLLING, AND PREDICTING RADIATION DELIVERY — 09.07.2009 A61F 9/00 PCT/US2008/013

Embodiments provide method and systems for determining alignment of a patient's body part, such as an eye, in an external coordinat diagnostic device, such as a radiotherapy device, so as to define a reference axis for guiding device operation. Additional embodiment methods and systems for aligning, tracking and monitoring motion of a body part and a treatment target in relation to a radiation beam embodiments provide method and systems including an eye-contact guide device and imaging system for aligning and tracking motion treatment target in relation to an orthovoltage X-ray beam axis, so as to monitor application of radiation to a lesion, suc...

7. (WO 2009/075714) METHODS AND DEVICES FOR ORTHOVOLTAGE OCULAR RADIOTHERAPY AND TREATMENT PLANNING — 18.06.2009 A61N 5/10 PCT/US2008/012

A method, code and system for planning the treatment a lesion on or adjacent to the retina of an eye of a patient are disclosed. There i two beam paths along which x-radiation is to be directed at the retinal lesion. Based on the known spectral and intensity characteristics treatment time for irradiation along each beam paths is determined. From the coordinates of the optic nerve in the aligned eye position extent and duration of eye movement away from the aligned patient-eye position in a direction that moves the patient's optic nerve tow will be allowed during treatment, while still maintaining the radiation dose at the patient optic ner...

8. (WO 2009/061449) GROWTH OF NANOTUBES FROM PATTERNED AND ORDERED NANOPARTICLES — 14.05.2009 B05B 5/00 PCT/US2008/012

Methods, apparatus and systems form structures from nanoparticles by providing a source of nanoparticles, the particles being capabl application of a field, such as an electrical field, magnetic field and even electromagnetic radiation or fields such as light, UV, IR, radiov depositing the nanoparticles to a surface in a first distribution of the nanoparticles; applying a field to the nanoparticles on the surface t particles; and rearranging the nanoparticles on the surface by the force from the field to form a second distribution of nanoparticles on catalysts can be deposited on the surfaces. The second distribution of nanoparticles is more ...

9. (WO 2009/032610) MEDICAL DEVICE INCLUDING SCANNED BEAM UNIT WITH OPERATIONAL CONTROL FEATURES — 12.03.2009 A61B 1/045 PCT/US2008/074

A method of controlling a medical device is provided. The method includes generating a beam of radiation using a radiation source ass radiation is directed toward a distal end of the medical device using an optical fiber. The beam of radiation is directed onto an area of i

generate a signal for use in producing a viewable image. A loss of scan condition of the reflector is detected automatically by a control

10. (WO 2009/025779) METHODS AND INSTRUMENTS FOR MEASURING TISSUE MECHANICAL PROPERTIES — 26.02.2009 A61B 5/103 PCT/US2008/009

Method and instrument for characterizing a material using a test probe constructed for insertion into the material, optionally with a refer either for insertion into the material or to contact another material without insertion. The test probe is inserted at least a microdistance i with insertion of the reference probe into the material, (ii) with the reference probe contacting another material, or (iii) without a referenc withdrawn. The material property is determined by measuring an interaction of the test probe with the material, which may be related to probe into the material, the movement of the test probe in the material, and/or the withdrawa...

11. (WO 2009/021055) METHODS FOR TREATING DEPENDENCE — 12.02.2009 A01N 43/50 PCT/US2008/072

Provided are methods of treating patients suffering from or susceptible to at least one symptom of abuse of, dependence on, or withdra substance with Compound A. Also provided are methods of treating at least one phase of substance dependence on at least one subs methods of treating at least one phase of cocaine dependence in patients.

12. (WO 2009/018460) HIGH-BANDWIDTH ACTUATOR **DRIVE** FOR SCANNING PROBE MICROSCOPY — 05.02.2009 G01N 13/16 PCT/US2008/071

An actuator subsystem for use in a scanning probe microscope (SPM) system having a probe for measuring a **sample** comprises and **driving** circuit. The actuator operates in the SPM system to generate relative motion between the probe and the **sample** while the SPM indicative of a property of the **sample**. The relative motion includes a range of motion of at least 1 micron. The actuator **driving** circuit actuator to cause the relative motion, and has a small signal bandwidth of at least 200 kHz with a phase lag of not more than 100 degr bandwidth.

13. (WO 2009/017830) FABRICATION OF PATTERNED AND ORDERED NANOPARTICLES — 05.02.2009 H01L 21/44 PCT/US2008/009

Methods, apparatus and systems form structures from nanoparticles by: providing a source of nanoparticles, the particles being capab application of a field, such as an electrical field, magnetic field and even electromagnetic radiation or fields such as light, UV, IR, radiov depositing the nanoparticles to a surface in a first distribution of the nanoparticles; applying a field to the nanoparticles on the surface t particles; and rearranging the nanoparticles on the surface by the force from the field to form a second distribution of nanoparticles on distribution of nanoparticles is more ordered or more patterned than the first distribution of...

14. (WO 2009/006335) IMPROVED CATHETER — 08.01.2009 A61B 17/20 PCT/US2008/068

An improved catheter is provided. The catheter may include a deflectable member located at a distal end of the catheter. The deflectab an ultrasound **transducer** array. The catheter may include a lumen extending from a proximal end of the catheter to the distal end. Th deliver an interventional device to a point distal to the distal end of the catheter. The deflectable member may be selectively deflectable through an arc of at least 90 degrees. In embodiments where the deflectable member includes an ultrasound **transducer** array, the ult may be operable to image both when aligned with the catheter and when pivoted relative to the catheter. When pivoted re...

15. (WO 2008/157422) MATERIALS, METHODS, AND SYSTEMS FOR CAVITATION-MEDIATED ULTRASONIC DRUG DELIVERY — 24.12.2008 A61B 17/20 PCT/US2008/067

Materials, methods, and systems for targeted and non-targeted therapeutic delivery in vivo utilizing cavitation-mediated ultrasonic drug
Targeted therapeutic delivery systems comprising specially designed nanocarriers for intracellular therapeutic delivery, mediated by ac
in vivo or in vitro, are also embodied. Nanocarriers comprised of substantially dendritic polymers, supramolecular assemblies, polymer
mixtures thereof, are used to treat a variety of diseases in humans and other species, such as cancer, ophthalmological, pulmonary, u
Noninvasive sonic energy being applied to the patient in a controlled fashion at the treatment area resul...

16. (WO 2008/154435) WATER VAPOR DISTILLATION APPARATUS, METHOD AND SYSTEM — 18.12.2008 C02F 1/08 — PCT/US2008/066

A fluid vapor distillation apparatus. The apparatus includes a source fluid input, and an evaporator condenser apparatus (104). The eva
apparatus (104) includes a substantially cylindrical housing and a plurality of tubes in the housing. The source fluid input is fluidly conn
condenser (104) and the evaporator condenser transforms source fluid into steam and transforms compressed steam into product fluid
vapor distillation apparatus is a heat exchanger (102) fluidly connected to the source fluid input and a product fluid output. The heat ex
outer tube and at least one inner tube. Also included in the fluid vapor distillation apparatus is a regenerat...

17. (WO 2008/132105) MONITOR DEVICE AND USE THEREOF — 06.11.2008 A61B 5/11 — PCT/EP2008/054

In an apparatus and method for obtaining an indication of energy expenditure by a mammal during exercise, one or more movement tr
respective movement signal related to physical movement. A frequency analysis (3) is performed on at least one of the movement sign
analysis result. Classification means (5) determines from the frequency analysis result, what class of physical movement is involved in
means (7) selects a form of calculation according to a class determined by the classification means. A form of calculation selected by t
applied (9) to at least one of the movement signals so as to obtain the energy expenditure indication.

18. (WO 2008/125844) ULTRASONIC MONITOR FOR A BIOREACTOR — 23.10.2008 G01N 29/032 — PCT/GB2008/001

A method and apparatus for monitoring the state of a microbiological or animal cell culture, or other bioprocess wherein the attenuation
the speed of an ultrasonic wave passed through the culture is used to determine viscous and viscoelastic properties of the culture med

19. (WO 2008/121399) EFFECTIVE LOW-PROFILE HEALTH MONITORING OR THE LIKE — 09.10.2008 G06Q 50/00 — PCT/US2008/004

Systems, methods, computer program products, and media are described for receiving health-status-indicative data surreptitiously cap
between a device and a user and applying one or more data extraction criteria to the health-status-indicative data surreptitiously captu
between the device and the user.

20. (WO 2008/121143) CATHETER WITH IMAGING CAPABILITY ACTS AS GUIDEWIRE FOR CANNULA TOOLS — 09.10.2008 A61M 25/04 — PCT/US2007/065

A catheter having an imaging device on its distal end serves as a guidewire for cannula tools, enabling the tools to be advanced to a d
body. One exemplary embodiment of such a catheter is a scanning fiber endoscope. The images facilitate navigation through linked bo
an operator to view a site where a biopsy **sample** is to be taken with a cannula tool. Exemplary cannula tools include bristles or sharp
adjacent tissue, a biopsy needle that can be thrust into tissue, a loop that cuts away tissue, a cutting edge that slices tissue from a site
can be carried by a bodily or introduced fluid to a proximal end of the catheter through an annular g...

21. (WO 2008/116203) METHODS AND DEVICES FOR INTRACORPOREAL BONDING OR INTERLOCKING OF IMPLANTS WITH THERMAL ENERGY — 25.09.2008 A61F 2/02 — PCT/US2008/057

The present invention provides a method for stabilizing a fractured bone. The method includes positioning an elongate rod in the medu
bone and forming a passageway through the cortex of the bone. The passageway extends from the exterior surface of the bone to the
The method also includes creating a bonding region on the elongate rod. The bonding region is generally aligned with the passageway
the method includes positioning a fastener in the passageway of the cortex and on the bonding region of the elongate rod and thermall
the bonding region of the elongate rod while the fastener is positioned in the passageway of the cortex.

22. (WO 2008/112279) TISSUE PENETRATING APPARATUS — 18.09.2008 A61B 5/155 PCT/US2008/003

A body fluid sampling system is provided for use on a tissue site A **drive** force generator is provided A housing has at least a first hand average diameter, and a head portion with a second average diameter that is larger than the first average diameter The housing includ sensors and a plurality of **sample** chambers Each analyte sensor is associated with a **sample** chamber and is configured to receive bo tissue created by a penetrating member A plurality of penetrating members are operatively coupled to the **drive** force generator The sy backlit display with graphical user interface The system can interface with the internet

23. (WO 2008/112268) METHOD FOR LOADING PENETRATING MEMBERS IN A COLLECTION DEVICE — 18.09.2008 A61B 17/32 PCT/US2008/003

A method is provided for loading penetrating members. A dispenser is provided that includes a plurality of penetrating members. A coll relative to the penetrating member dispenser for receiving penetrating members from the dispenser. The collection device is rotated to penetrating members in one rotary motion or the penetrating member relative to the dispenser.

24. (WO 2008/101196) FLUIDICS DEVICES — 21.08.2008 F17C 13/00 PCT/US2008/054

The invention relates to fluidics as used in medical and diagnostic equipment and relates further to means for purifying, abstracting, filt measuring analytes in liquid samples.

25. (WO 2008/091602) APPLICATORS FOR MICRONEEDLE ARRAYS — 31.07.2008 A61M 37/00 PCT/US2008/000

A microneedle applicator is provided which has two roughly concentric portions (18, 26) which may be, for example, a solid disk and a the skin-facing side of the inner portion of the applicator a microneedle array (28) is located. The outer portion of the applicator is place contacting it at a zone. The microneedle array is then pressed towards the skin.

Next 25 records

Start At

Search Summary

substrate: 4693766 occurrences in 268864 records.

base: 6026084 occurrences in 599683 records.

(substrate OR base): 731262 records.

transducer: 576185 occurrences in 43826 records.

driv* NEAR mechanism: 119100 occurrences in 25746 records.

(transducer OR driv* NEAR mechanism): 67867 records.

((substrate OR base) AND (transducer OR driv* NEAR mechanism)): 35246 records.

fulcrum: 26426 occurrences in 5136 records.

pivot: 553355 occurrences in 65645 records.

(fulcrum OR pivot): 68306 records.

lever: 440809 occurrences in 45923 records.

((fulcrum OR pivot) OR lever): 97472 records.

(((substrate OR base) AND (transducer OR driv* NEAR mechanism)) AND ((fulcrum OR pivot) OR lever)): 7181 records.

support: 4869227 occurrences in 503442 records.

wall*: 4266815 occurrences in 385419 records.

(support OR wall*): 713165 records.

((((substrate OR base) AND (transducer OR driv* NEAR mechanism)) AND ((fulcrum OR pivot) OR lever)) AND (support OR wall*)): 6332 records.

sample: 4443822 occurrences in 289259 records.

(((((substrate OR base) AND (transducer OR driv* NEAR mechanism)) AND ((fulcrum OR pivot) OR lever)) AND (support OR wall*)) AND sample): 1001 records

piezoelectric: 221484 occurrences in 24837 records

(((((substrate OR base) AND (transducer OR driv* NEAR mechanism)) AND ((fulcrum OR pivot) OR lever)) AND (support OR wall*)) AND sample) AND piezoelectric): 255 records.

Search Time: 12.15 seconds.